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Elfiq AppOptimizer White Paper

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1. Introduction

The Elfiq AppOptimizer is designed to give organizations full control over their existing and future bandwidth, guaranteeing key applications such as Citrix XenDesktop or Skype get priority treatment and undesirables such as peer-to-peer file transfers or games are limited or no longer permitted. It is an add-on-module that provides application-layer deep packet inspection (layer 7) classification and control, including Mobile, Social Networking, P2P, Instant Messaging, File sharing, Enterprise and Web 2.0 applications.

2. Signature based recognition versus ACL's

The Elfiq AppOptimizer uses deep packet inspection techniques to accurately identify the complex and rapidly changing applications on today's networks, and is constantly being updated, where as an ACL approach would be limited to source/destination IP addresses, ports and protocol that are subject to change and may be difficult to define. Other solutions that attempt to recognize and classify traffic by port and protocol fall short, in that they fail to identify the thousands of applications that are developed to be delivered as HTTP over port 80, and those that "port-hop" or go from port to port when they are blocked or throttled back.

3. Detection Engine

We send a copy of the traffic to the Elfiq AppOptimizer engine and since the engine is sampling from a copy there are no extra buffering or delays.

The number of packets sent to the engine for any given session is limited and configurable; the default is 32 packets per session.

4. Using Groups or Individual Applications

We can configure the Elfiq AppOptimizer to look for signatures for a specific application or from a group of similar applications.

For example we can configure to drop Bit-Torrent.

We can specify the exact application as Bit-Torrent or we can choose a group which contains Bit-Torrent traffic. The group that contains Bit-Torrent traffic is the Peer_to_Peer group

5. Actions Once an Application is detected

Once a session is identified, the Link LB goes back to the Elfiq AppOptimizer groups to find a suitable signature match.

If a suitable signature is found, the attached "Action" is carried out as configured.

The "Action" would be to apply a QoS (limit or reserve traffic) or to drop the session.

Appendix A: Application List

The table below lists the entire Elfiq AppOptimizer’s supported application list and groups. Included as well is an explanation of each column.

This list is organized in alphabetical order by the name of the application group. All applications within a group are listed together.

Once you know what application you want the Elfiq AppOptimizer to look for, you simply perform a search with this name, once you find the name you will be able to determine the Elfiq name used in the configuration and what group this application resides in. You can then decide to use the Elfiq AppOptimizer for the specific application or to choose the whole group of similar applications.

Here is an explanation of each column:

Elfiq Name:

This is the abbreviated name for the application or signature that we are trying to identify. This would be used in the configuration.
 dpi group 1 signature bittorre

Full Name:

This is the full name of the application or signature that we are trying to identify.

Description:

This is a brief description of the application including what it is used for.

Category:

This is in what group the application belongs to. Applications are separated into groups depending on what type of application it is. Example: Battle.net and Farmville both pertain to games so they are in the games group. This would be used in the configuration .i.e.
 dpi group 2 signature Games

ELFIQ NAME	FULL NAME	DESCRIPTION	CATEGORY
CTRJJEDI	Citrix Jedi	Citrix Online streaming connection protocol for streaming real-time data.	Collaboration
CTRNONLN	Citrix Online	Citrix Online services, including GoToMyPC, GoToMeeting, GoToWebinar, and GoToTraining.	Collaboration
GOTOMEET	GoToMeeting	A remote meeting and desktop sharing software that enables the user to meet with other computer users, customers, clients or colleagues via the Internet in real-time.	Collaboration

GRPWISE	Groupwise	A messaging and collaborative software platform from Novell that supports email, calendaring, personal information management, instant messaging, and document management.	Collaboration
HL7	HL7	Health Level 7 Medical information exchange is a standard for exchanging information between medical applications.	Collaboration
LIVEMEET	Livemeeting	Microsoft's commercial web-conferencing service.	Collaboration
MEETMAKR	Meeting Maker	A cross-platform personal calendar and group scheduling software application from PeopleCube.	Collaboration
NETMEETG	NetMeeting	A VoIP and multi-point videoconferencing client included in many versions of Microsoft Windows	Collaboration
NOTES	Lotus Notes	IBM's enterprise collaboration suite.	Collaboration
SHRPOINT	Sharepoint	Microsoft collaboration, file sharing and web publishing system.	Collaboration
WEBEX	WebEx	Cisco's online meeting and web conferencing application.	Collaboration
BLIDM	BLIDM	Britton-Lee IDM (Integrated Database Manager)	Database
DBASE	dBase	dBase was the first widely used database management system (DBMS) for microcomputers. A major upgrade was released as dBASE III, and ported to a wider variety of platforms, adding UNIX, and VMS.	Database
DEOS	DEOS	Port 76/tcp and 76/udp	Database
INGRSNET	INGRES-NET	IngresNET service	Database
LDAP	LDAP	LDAP (Lightweight Directory Access Protocol) is a protocol for reading and editing directories over an IP network.	Database
MINISQL	Mini SQL	A lightweight database management system.	Database
MSOLAP	MS OLAP	An online analytical processing capability that is a component of Microsoft SQL Server.	Database
MSSQL	MS SQL	A relational database server produced by Microsoft.	Database
MYSQL	MySQL	A relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases.	Database
ORACLE	Oracle	An object-relational database management system (ORDBMS) produced and marketed by Oracle Corporation.	Database
POSTGRES	PostgreSQL	An open source object-relational database system.	Database
RIS	RIS	Relational Interface System (RIS) is Intergraph Corporation's middleware for connecting client software and DBMS.	Database
SQLNET	Oracle SQLNET	Networking software that allows remote data-access between programs and the Oracle Database, or among multiple Oracle Databases.	Database
SQLSERV	SQL Services	SQL Services	Database

4SHARED	4Shared	A file sharing service that provides search functions, allows users to upload and download files to their accounts and share links with other people.	File Transfer
ACRNEMA	ACR-NEMA	A standard for handling, storing, printing, and transmitting information in medical imaging.	File Transfer
AFP	AFP	A network protocol that offers file services for Mac OS X and original Mac OS. In Mac OS X, AFP is one of several file services supported including Server Message Block (SMB), Network File System (NFS), File Transfer Protocol (FTP), and WebDAV. AFP currently supports Unicode file names, POSIX and access control list permissions, resource forks, named extended attributes, and advanced file locking	File Transfer
APPLEUPD	Apple Update	A software tool by Apple Computer that installs the latest version of Apple software.	File Transfer
APPLGUI	AppleJuice GUI	Represents the traffic between a host running an AppleJuice GUI and a host running the AppleJuice Core	File Transfer
APPLJUICE	AppleJuice	AppleJuice is a semi-centralized peer-to-peer file sharing network similar to the original eDonkey network	File Transfer
ASTRAWEB	Astraweb	A Usenet/newsgroup service provider.	File Transfer
AUDITD	auditd	Linux audit logging	File Transfer
AVG	AVG	AVG Antivirus/Security software download and updates.	File Transfer
AVIRA	Avira	Avira Antivirus/Security software download and updates.	File Transfer
BACKBLZE	BackBlaze	An online backup tool that allows Windows and Mac OS X users to back up their data to an offsite data center.	File Transfer
BDEFNDER	BitDefender	BitDefender Antivirus/Security software download and updates.	File Transfer
BFTP	BFTP	BFTP (Background File Transfer Program)	File Transfer
BIGUPLOD	BigUpload	Secure uploading, transferring, and file sharing service provider.	File Transfer
BITTORRE	Bittorrent	A peer-to-peer file sharing protocol used for transferring large amounts of data.	File Transfer
BLAZEFS	BlazeFS	Blaze File Server is a remote file sharing system designed specifically for Macs. Once it's running, Blaze is transparent to the user and to the client application: It appears as if users are accessing files on a local hard drive.	File Transfer
BROSOFT	Brother-soft.com	Brothersoft.com is a free software download website.	File Transfer
CFDPTKT	CFDPTKT	Coherent File Distribution Protocol	File Transfer

CIFS	CIFS	CIFS (Common Internet File System) is used to provide shared access to directories, files, printers, serial ports, and miscellaneous communications between nodes on a network.	File Transfer
COMVAULT	Commvault	Enterprise data backup and storage management software.	File Transfer
DATEITO	Datei.to	General browsing and file transfers from file hosting service Datei.to	File Transfer
DEPOFILE	Deposit Files	Online file storage service	File Transfer
DIVSHARE	divShare	General browsing and file transfers from media sharing website divShare	File Transfer
DOCSTOC	Docstoc	Electronic business document repository and online store	File Transfer
DRCTCONN	DirectConnect	File sharing through p2p via internet hubs	File Transfer
DROPBOX	Dropbox	An online file hosting/sharing service.	File Transfer
EDONKEY	eDonkey	eDonkey/eMule peer-to-peer file sharing.	File Transfer
ESET	Eset	Eset Antivirus/Security software download and updates.	File Transfer
EXTRTORR	Extratorrent.com	The World's Largest BitTorrent System	File Transfer
FASP	FASP	FASP (Fast and Secure Protocol) is a high speed secure file transfer protocol	File Transfer
FILERCX	Filer.cx	A file hosting service that provides free web space for documents, pictures, music and movies.	File Transfer
FILESONC	Filesonic	General browsing and file transfers from data storage website Filesonic	File Transfer
FILESTBE	FilesTube	A file search engine that searches various file sharing and uploading sites like rapidshare, megaupload, mediafire, hotfile, netload, filesonic, 4shared.	File Transfer
FPROT	F-Prot	F-Prot Antivirus/Security software download and updates.	File Transfer
FTP	FTP	FTP (File Transfer Protocol) is used to transfer files from a file server to a local machine.	File Transfer
FTPCTRL	FTP Control	FTP (File Transfer Protocol) Control is used to manage FTP Data transfers from a file server to a local machine.	File Transfer
FTPDATA	FTP Data	File Transfer Protocol data flow	File Transfer
FTPS	FTPS	FTP control over TLS/SSL.	File Transfer
FTPSDATA	FTPSDATA	FTP data over TLS/SSL	File Transfer
FXP	FXP	File eXchange Protocol provides a method of data transfer which uses the FTP protocol to transfer data from one remote server to another (inter-server) without routing this data through the client's connection.	File Transfer
GIGANEWS	Giganews	A popular Usenet/newsgroup service provider.	File Transfer
GNUTELLA	Gnutella	A large peer-to-peer file-sharing network.	File Transfer

GPFS	GPFS	IBM General Parallel File System is a high-performance shared-disk clustered file system.	File Transfer
GSIFTP	GSIFTP	FTP enhanced to use GSI security.	File Transfer
HIVESTOR	HiveStor	HiveStor Distributed File System	File Transfer
HOTFILE	Hotfile	Online file hosting/sharing.	File Transfer
ICLOUD	iCloud	Apple's cloud data storage and computing service	File Transfer
IMESH	iMesh	A media and file sharing client with online social network features.	File Transfer
IMGSHACK	ImageShack	General browsing and file transfers from image hosting website ImageShack	File Transfer
ISOHUNT	isohunt	A BitTorrent index with over 1.7 million torrents in its database and 20 million peers from indexed torrents	File Transfer
KASPRSKY	Kaspersky	Kaspersky Antivirus/Security software download and updates.	File Transfer
KATORRNT	KAT	A torrent download site	File Transfer
KAZAA	Kazaa	Started as a peer-to-peer file sharing application using the FastTrack protocol, now running as a music subscription service.	File Transfer
KFTP	KFTP	File Transfer Protocol with Kerberos authentication and encryption.	File Transfer
KFTPDATA	KFTPDATA	File Transfer Protocol with Kerberos authentication and encryption.	File Transfer
MANOLITO	Manolito	Manolito P2P (MP2P) is a free peer-to-peer file sharing network. Users can download music, create playlists, and use instant messaging to chat with friends.	File Transfer
MCAFEE	McAfee	McAfee Antivirus/Security software download and updates.	File Transfer
MCFTP	MC-FTP	Multicast FTP (File Transfer Protocol)	File Transfer
MCIDAS	MciDAS	MciDAS (Man computer Interactive Data Access System) Data Transmission Protocol.	File Transfer
MEDIAFRE	MediaFire	Online File and Media hosting.	File Transfer
MEGASHRS	Megashares	File sharing/storage site	File Transfer
MEGAUPLD	MegaUpload	Online storage service	File Transfer
MSBITS	BITS	BITS (Microsoft Background Intelligent Transfer Service) is a file transfer protocol used primarily for Microsoft Updates.	File Transfer
MSDN	MSDN	MSDN (Microsoft Developer Network)	File Transfer
MULTUPLD	Multiupload	A forwarding site for major upload sites such as, Megaupload, UploadKing, depoistfiles, hotfile, Uploadhere, Zshare, Filesonic, Fileserve, Wupload.	File Transfer
MUTENET	MUTE-net	A peer-to-peer file sharing network that uses a routing algorithm inspired by ant colonies. MUTE-net has been unmaintained since April 2007, although software compatible with the MUTE network has been updated since then.	File Transfer

NFA	NFA	A network file system is a file system that acts as a client for a remote file access protocol, providing access to files on a server.	File Transfer
NFS	NFS	Allows a user on a client computer to access files over a network in a manner similar to how local storage is accessed.	File Transfer
NIFTP	NI FTP	Network Independent File Transfer Program	File Transfer
NNTP	NNTP	An Internet application protocol used for transporting Usenet news articles (netnews) between news servers and for reading and posting articles by end user client applications.	File Transfer
NOVABKUP	NovaBACKUP	NovaStor develops and markets data protection and availability software. NovaBACKUP offers support for multi-OS environments and is capable of handling thousands of servers and petabytes of information.	File Transfer
OFTP	OFTP	OFTP (Odette File Transfer Protocol) is used for EDI (Electronic Data Interchange) between two communications business partners.	File Transfer
OFTPS	OFTPS	Odette FTP over SSL/TLS is used primarily for Electronic Data Interchange between two communications business partners.	File Transfer
ONLINEFF	Online File Folder	A storage service provided by godaddy.com	File Transfer
PANDA	Panda	Panda Security Antivirus/Security software download and updates.	File Transfer
PANDO	Pando	Pando is free file sharing application that uses both peer-to-peer and client-server architectures. Users are able to send files that may be too large to send via email.	File Transfer
PFTP	PFTP	Port-FTP transfers files, directories and data to other hosts running pftp.	File Transfer
PT_FILE	Paltalk File Transfer	File transfer via Paltalk instant messaging	File Transfer
PUTLOCKR	PutLocker	PutLocker is an online file hosting site	File Transfer
QFT	QFT	Queued File Transport	File Transfer
RAPSHARE	RapidShare	Online file hosting and sharing.	File Transfer
SBNTBCST	SBNTBCST	SUBNTBCST Trivial File Transfer Protocol	File Transfer
SFTP	SFTP	SFTP (Secure File Transfer Protocol) is a secure file transfer protocol typically used with the SSH protocol.	File Transfer
SHAREP2P	Share P2P	Closed-source p2p application developed in Japan.	File Transfer
SKYDRIVE	SkyDrive	SkyDrive is Microsoft's online storage service that is part of Windows Live.	File Transfer
SUPRNEWS	SuperNews	A Usenet/newsgroup service provider.	File Transfer
SWIFTRVF	Swift RVFP	Swift Remote Virtual File Protocol	File Transfer

TFTP	TFTP	TFTP (Trivial File Transfer Protocol) is a lightweight file transfer protocol.	File Transfer
TFTPS	TFTPS	TFTPS (Trivial File Transfer Protocol over SSL/TLS) is a lightweight file transfer protocol.	File Transfer
TORRENTZ	torrentz.eu	A Finland-based meta-search engine for BitTorrent. It indexes torrents from various major torrent sites and offers compilations of various trackers per torrent so other trackers are available when one goes down	File Transfer
USENET	Usenet	A worldwide distributed Internet discussion system. Users read and post messages (called articles or posts, and collectively termed news) to one or more categories, known as newsgroups.	File Transfer
UUCP	UUCP	Unix-to-Unix Copy	File Transfer
WEBDAV	WebDAV	Web-based Distributed Authoring and Versioning allows users to collaboratively edit and manage files on a remote web server.	File Transfer
WINMX	WinMX	WinMX is a free peer-to-peer file sharing program. It runs on the Windows operating system, however the official WinMX website and WinMX servers have been offline since 2005 as a result of an increased presence of dummy files on the site, which led to a lawsuit. The application now operates through third-party modifications.	File Transfer
WINNY	Winny	A Japanese peer-to-peer (P2P) file-sharing program.	File Transfer
WINUPDAT	Windows Update	A service provided by Microsoft that allows users to get software patches and updates for MS Windows and other programs, including Internet Explorer, over the internet	File Transfer
XUNLEI	Xunlei	A download manager that supports file transfers using HTTP, FTP, eDonkey, and BitTorrent protocols	File Transfer
YMSGFILE	Yahoo Msg File Transfer	File transfer traffic within the Yahoo Messenger application	File Transfer
YOUSNDIT	YouSendIt	A Web-based secure digital file delivery company, which lets users securely send, receive and track files on demand.	File Transfer
ZANNET	ZanNet	A combination Windows 95 network client and Unix server that providing Windows 95 network drive access to your server files. Intended to replace both File Transfer Protocol (FTP) and Telnet programs, ZanNet accesses web pages and remote files over your current Internet connection.	File Transfer
FILESERV	FileServe	General browsing and file transfers from file hosting services FileServe.com	File Transfer
IFILE	ifile.it	General browsing and file transfers from online backup service ifile.it	File Transfer

BOXNET	Box.net	General browsing and file transfers on file storage site Box.net	File Transfer
4399COM	4399.com	General browsing and game play on Chinese casual gaming website 4399.com	Games
BATTLNET	Battle.net	A premium gaming service provided by Blizzard Entertainment.	Games
BET365	Bet365	Online gambling website	Games
FARMVILE	Farmville	A real-time farm simulation game developed by Zynga, available as an application on the social-networking website Facebook and as an App on the Apple iPhone.	Games
IMGAMES	IMGames	Protocol for service type IMGames registered with IANA on Port 1077 tcp/udp	Games
MAFIAWAR	Mafiawars	A multiplayer browser game created by Zynga. It is on several social networking sites and on the iPhone.	Games
STEAM	Steam	Steam is an online gaming social networking website. Users can purchase, download and play games, as they connect with friends and groups with similar interests.	Games
STEAMCLI	Steam Client	Steam client-based http traffic (store browsing, news updates)	Games
STEAMDLC	Steam DLC	Downloadable content from Steam (games, updates, etc)	Games
STEAMGME	Steam Game	Steam online gaming traffic	Games
STEAMSOC	Steam Social	Steam social traffic (Friends network, peer to peer voice chat)	Games
XBOX	Xbox LIVE	An online multiplayer gaming and digital media delivery service created and operated by Microsoft Corporation.	Games
Y8	Y8.com	General browsing, game play, and streaming media from gaming website Y8.com	Games
ZYNGA-GAM	Zynga	A social network game developer of browser-based games that work both stand-alone and as application widgets on social networking websites such as Facebook and MySpace.	Games
126COM	126.com	126.com is a free webmail service of Netease	Mail
EXCHANGE	Exchange	Microsoft Exchange services.	Mail
GMAIL	gmail	Google online mail	Mail
HOTMAIL	Hotmail	Windows Live Hotmail, formerly known as MSN Hotmail and commonly referred to simply as Hotmail, is a free web-based email service operated by Microsoft as part of its Windows Live group.	Mail
IMAP	IMAP	IMAP (Internet Message Access Protocol) is an Internet standard protocol for accessing email on a remote server.	Mail

INFOSTOR	Infostore	Microsoft Exchange Information Store	Mail
MAILQ	MAILQ	Protocol for service type MAILQ registered with IANA on Port 174 tcp/udp	Mail
MAPI	MAPI	The protocol that Microsoft Outlook uses to communicate with Microsoft Exchange.	Mail
MTA	MTA	Microsoft Exchange Mail Transfer Agent	Mail
NIMAIL	NI Mail	NI Mail	Mail
OPEN- WEBM	Open Webmail	Simple webmail service	Mail
PCMAIL	PCMAIL	PCMail Server	Mail
POP2	POP2	POP (Post Office Protocol) is a protocol used by local e-mail clients to retrieve e-mail from a remote server.	Mail
POP3	POP3	POP (Post Office Protocol) is a protocol used by local e-mail clients to retrieve e-mail from a remote server.	Mail
QMTP	QMTP	Quick Mail Transfer Protocol is an e-mail transmission protocol that is designed to have better performance than Simple Mail Transfer Protocol (SMTP), the de facto standard.	Mail
REMAIL	REMAIL	Remote Mail Checking Protocol	Mail
RFR	RFR	Microsoft Exchange Referral Interface	Mail
SMTP	SMTP	SMTP (Simple Mail Transfer Protocol) An Internet standard for electronic mail (e-mail) transmission across Internet Protocol (IP) networks.	Mail
STORADM N	Store Admin	Exchange Store Admin	Mail
SYSATT	Sysatt	Microsoft Exchange System Attendant service	Mail
XNSMAIL	XNS Mail	XNS (Xerox Networking Services) Mail	Mail
AOL_IM	AIM	AIM is an instant messaging and presence application that enables users to conduct person-to-person instant messaging, chatroom messaging, peer-to-peer file sharing and facebook support, among other features.	Messaging
APNS	APNS	A service that Apple uses to open a constantly open IP connection to forward notifications from its servers to Apple devices	Messaging
C2DM	C2DM	Android Cloud to Device Messaging (C2DM) is a service that helps developers send data from servers to their applications on Android devices. The service provides a simple, lightweight mechanism that servers can use to tell mobile applications to contact the server directly, to fetch updated application or user data. The C2DM service handles all aspects of queueing of messages and delivery to the target application running on the target device.	Messaging
GTALK	Google Talk	Google Inc.'s VoIP application.	Messaging

GTALKGAD	Google Talk Gadget	Flash based Google Talk IM client.	Messaging
ICQ	ICQ	ICQ is an instant messaging computer program.	Messaging
IRC	IRC	IRC (Internet Relay Chat) is a popular form of real-time Internet text messaging.	Messaging
ISCHAT	ISCHAT	(Now known as ATG Live Help) ATG Live Help is an integrated set of live voice, chat, and email response services that enable online businesses to deliver just-in-time, personalized, interactive assistance to each visitor.	Messaging
LINE2	Line2	A mobile VOIP application that allows the user to add a second line to their iPhone or Android device, or give a phone number to an iPad. Data is transferred over wifi, cellular data, or cellular voice connections. Text messaging is supported on US-based customers only.	Messaging
MEEBO	Meebo	Meebo is an instant messaging (IM) web platform that can connect with numerous IM networks.	Messaging
MPM	MPM	Internet Message Protocol - RFC 753	Messaging
MSMQ	MSMQ	MSMQ is essentially a messaging protocol that allows applications running on separate servers/processes to communicate in a failsafe manner.	Messaging
MSN2GO	MSN2Go	A third party service for Windows Live Messenger	Messaging
MSNP	MSNP	An instant messaging protocol developed by Microsoft for use by the .NET Messenger Service and the instant messaging clients that connect to it, such as Windows Live Messenger.	Messaging
MSP	MSP	An application layer protocol used to send a short message between nodes on a network.	Messaging
OSCAR	OSCAR	Open System for Communication in Realtime is AOL's flagship instant messaging and presence information protocol. Currently, OSCAR is in use for AOL's two main instant messaging systems: ICQ and AIM.	Messaging
PINGER	Pinger	Pinger Textfree enables you to send and receive free texts (real SMS) with your very own free texting number. You can send free texts to your friends who don't need to be using this free app to receive them. In addition, send free texts from anywhere in the world as long as you have a data connection.	Messaging
PT	Paltalk Messenger	An internet and downloadable chat service that allows users to communicate via instant messaging, voice, and video chat	Messaging
PT_CHAT	Paltalk Chat	Paltalk instant messaging text messaging traffic	Messaging
QOTD	QOTD	An Internet protocol defined in RFC 865. It is intended for testing and measurement purposes.	Messaging

QQ	QQ	The most popular free instant messaging computer program in Mainland China.	Messaging
SKYPAUTH	Skype Auth	Skype Authentication	Messaging
SKYPE	Skype	A software application that allows users to chat, make voice/video calls, and transfer files over the Internet.	Messaging
SKYPEOUT	Skype Out	Skype Out phone calls	Messaging
SKYPEP2P	Skype p2p	Skype Peer-to-Peer traffic, chat, file-transfer, voice, and video.	Messaging
SKYPROBE	Skype Probe	Skype Discovery Probes	Messaging
VCHAT	Vchat	An Internet conferencing protocol	Messaging
WHATSAPP	Whatsapp	WhatsApp Messenger is a cross-platform mobile messaging app which allows you to exchange messages without having to pay for SMS	Messaging
WINLIVE	Windows Live	A collection of Microsoft's online services.	Messaging
XMPP	XMPP	XMPP (Extensible Messaging and Presence Protocol) is an open technology for real-time communication.	Messaging
YMSG	Yahoo Messenger	Yahoo's Instant Messaging client.	Messaging
IMO	imo.im	Text and voice IM through instant messenger service imo.im	Messaging
CHARGEN	Chargen	A device or software that produces static or animated text (such as crawls and rolls) for keying into a video stream. Modern character generators are computer-based, and can generate graphics as well as text.	Network Monitoring
CMIP	CMIP	Common Management Information Protocol	Network Monitoring
CSCOSLA	Cisco SLA	Allows for delivery of time based network and services performance data used in monitoring Service Level Agreements (SLAs).	Network Monitoring
CTF	CTF	DECnet-Plus Common Trace Facility is used to collect and display information about specific protocol exchanges between systems.	Network Monitoring
DAYTIME	Daytime	A service in the Internet Protocol Suite, defined in 1983 in RFC 867. It is intended for testing and measurement purposes in computer networks.	Network Monitoring
DCP	DCP	An application level protocol optimized for the integration, monitoring and control of devices on a network.	Network Monitoring
DISCARD	Discard	A service in the Internet Protocol Suite defined in RFC 863. It is intended for testing, debugging, and measurement purposes.	Network Monitoring
ECHO	Echo	A service in the Internet Protocol Suite defined in RFC 862. It was originally proposed for testing and measurement of round-trip times in IP networks.	Network Monitoring

FINGER	Finger	A simple network protocol for the exchange of human-oriented status and user information.	Network Monitoring
ICMP	ICMP	ICMP (Internet Control Message Protocol) One of the core protocols of the Internet Protocol Suite. It is chiefly used by the operating systems of networked computers to send error messages indicating, for instance, that a requested service is not available or that a host or router could not be reached. ICMP can also be used to relay query messages.	Network Monitoring
ICMPV6	ICMPv6	The implementation of the Internet Control Message Protocol (ICMP) for Internet Protocol version 6 (IPv6).	Network Monitoring
OPALIS	Opalis Robot	A 'three-in-one' comprehensive system management and automation solution. It provides you with real-time monitoring, notification, corrective action and event driven job scheduling so you can proactively manage your Windows NT/W2K environment.	Network Monitoring
SAP	SAP HostControl	SAP Host Control Agent protocol used for viewing logs and traces of a remote host.	Network Monitoring
SGMP	SGMP	SGMP (Simple Gateway Monitoring Protocol) is a protocol that preceded SNMP.	Network Monitoring
SMUX	SMUX	SNMP multiplexing is a computer networking protocol used in implementing the Simple Network Management Protocol. It defines communications between the SNMP Agent and other processes.	Network Monitoring
SNMP	SNMP	SNMP (Simple Network Management Protocol) is an Internet-standard protocol for managing devices on IP networks.	Network Monitoring
STATSRV	STATSRV	Statistics Service for collecting STAT data from hosts	Network Monitoring
SYSLOG	Syslog	A standard for logging program messages.	Network Monitoring
SYSTAT	Systat	System diagnostics information	Network Monitoring
TIVOLI	Tivoli	IBM Tivoli Object Request Broker (ORB)	Network Monitoring
TRIPWIRE	Tripwire	A free software security and data integrity tool useful for monitoring and alerting on specific file change(s) on a range of systems.	Network Monitoring
UMA	UMA	Universal Management Architecture	Network Monitoring
3COMTSMX	3COM-TSMUX	3COM-TSMUX Queuing Protocol	Networking
914CG	914CG	Texas Instruments 914C/G Terminal	Networking
ACAS	ACA Services	DEC's Application Control Architecture Services	Networking
ACI	ACI	Application Communication Interface	Networking

ACTIVDIR	Active Directory	Microsoft Active Directory	Networking
ACTVSYNC	ActiveSync	ActiveSync Notifications, IANA port 1034/tcp and 1034/udp	Networking
AD_BKUP	AD Backup	Microsoft Active Directory Backup Service.	Networking
AD_DRS	AD DRS	Microsoft Active Directory Replication Services.	Networking
AD_DSAOP	AD DSAOP	Active Directory DSAOP services	Networking
AD_DSROL	AD DSROL	Microsoft Active Directory Domain Services helps administrators securely manage users, computers, and other devices on the network and facilitates resource sharing and collaboration between users.	Networking
AD_NSP	AD NSP	Microsoft Active Directory Name Service Provider	Networking
AD_RSTOR	AD Restore	Microsoft Active Directory Restore Service.	Networking
AD_XDS	AD XDS	Microsoft Active Directory Extended Directory Service allows AD to be extended to store custom data that is of interest for the enterprise.	Networking
AED512	AED512	AED 512 Emulation Service	Networking
ALIAS	Alias	Port 1187/tcp and 1187/udp	Networking
ANET	ANET	ATEXSSTR	Networking
ANSANTFY	ANSA Notify	ANSA REX Notify	Networking
ANSATRDR	ANSA REX Trader	ANSA REX Trader	Networking
APPLARP	Apple ARP	Apple's system to allow AppleTalk protocol to work over networks other than LocalTalk, such as Ethernet or Token Ring.	Networking
APPLE	Apple	Apple website and host/network services traffic	Networking
APPLSHAR	AppleShare	AppleShare IP WebAdmin	Networking
APPLTALK	AppleTalk	A proprietary suite of protocols developed by Apple Inc. for networking computers.	Networking
ARCISDMS	ARCISDMS	Protocol for service type Arcisdms registered with IANA on Port 262 tcp/udp	Networking
ARIEL	Ariel	Ariel for Windows from Infotrieve. With commercially available hardware and Ariel software, you can scan articles, photos, and other documents directly; transmit the electronic images to other Ariel workstations anywhere in the world, using either FTP or e-mail; and convert them to PDF for easy patron delivery.	Networking
ARNS	ARNS	Port 384/tcp and 384/udp	Networking
ARP	ARP	A computer networking protocol for determining a network host's Link Layer or hardware address when only its Internet Layer (IP) or Network Layer address is known.	Networking
ASA	ASA	Port 386/tcp and 386/udp	Networking
ATMFATE	ATM FATE	Frame-based ATM Transport over Ethernet	Networking
ATMMPOA	ATM MPOA	Multi-protocol over ATM	Networking
AUDIT	AUDIT	Unisys Audit SITP	Networking

AURORA	Aurora	A link layer communications protocol for use on point-to-point serial links. Developed by Xilinx, it is intended for use in high-speed (tens of gigabits/second or more) connections internally in a computer.	Networking
BGMP	BGMP	Border Gateway Multicast Protocol	Networking
BGP	BGP	BGP (Border Gateway Protocol) is the protocol backing the core routing decisions on the Internet.	Networking
BH611	BH611	Protocol for service type bh611 registered with IANA on Port 354 tcp/udp	Networking
BHEVENT	BHEVENT	Protocol for service type bhevent registered with IANA on Port 357 tcp/udp	Networking
BHFHS	BHFHS	Protocol for service type bhfhs registered with IANA on Port 248 tcp/udp	Networking
BHMDS	BHMDS	Protocol for service type bhmds registered with IANA on Port 310 tcp/udp	Networking
BLCKJACK	Blackjack	Port 1025/tcp and 1025/udp	Networking
BNET	Bnet	Port 415/tcp and 415/udp	Networking
CAILIC	CAIlic	Computer Associates Int'l License Server	Networking
CAP	CAP	Port 1026/tcp and 1026/udp	Networking
CBLPRTAX	Cableport AX	Protocol for service type Cable Port A/X registered with IANA on Port 282 tcp/udp	Networking
CDC	CDC	Certificate Distribution Center	Networking
CISCOFNA	Cisco FNATIVE	Used for Cisco Proprietary Protocols on Cisco Catalyst Network Analysis Modules.	Networking
CISCOSYS	Cisco SYS-MAINT	Cisco SYSMANT	Networking
CISCOTNA	Cisco TNATIVE	Cisco TNATIVE	Networking
CL1	CL1	Network Innovations CL/1	Networking
CLOANTO	CLOANTO	The cloanto.net infrastructure provides redundant hosting, email and telecommunications services.	Networking
CLRCASE	Clearcase	A software tool for revision control (e.g. configuration management, SCM) of source code and other software development assets. It is developed by the Rational Software division of IBM. ClearCase forms the base of revision control for many large and medium sized businesses and can handle projects with hundreds or thousands of developers.	Networking
CMPRSNET	CompressNET	CompressNET is a commercial WAN compression protocol.	Networking
CODAAUTH	Coda Auth	Coda Authentication Service, part of Coda filesystem services, developed by Carnegie Mellon University. Protocol for service type codaauth2 registered with IANA on Port 370 tcp/udp	Networking
COMSCM	COMSCM	SCM Microsystems is a leading provider of solutions for secure access, secure identity and secure exchange.	Networking

CORBA	CORBA	Common Object Request Broker Architecture (CORBA) is a standard defined by the Object Management Group (OMG) that enables software components written in multiple computer languages and running on multiple computers to work together (i.e., it supports multiple platforms). Domino Internet Inter-ORB Protocol (DIIOP) is CORBA over IIOp for Lotus Domino. DIIOP allows external programs to attach to, and manipulate Domino databases. DIIOP is frequently used to allow Java-based and other non CORBA programs to connect to Lotus Domino.	Networking
CORERJD	corerjd	Protocol for service type corerjd registered with IANA on Port 284 tcp/udp	Networking
COVIA	Covia CI	Covia Communications Integrator	Networking
CRS	MS CRS	Port 507/tcp and 507/udp	Networking
CSCODRP	Cisco DRP	(DRP) Director Response Protocol enables Cisco's DistributedDirector product to query routers (DRP Server Agents) in the field for Border Gateway Protocol (BGP) and Interior Gateway Protocol (IGP) routing table metrics between distributed servers and clients.	Networking
CSCOGDP	Cisco GDP	The Gateway Discovery Protocol (GDP) allows hosts to dynamically detect the arrival of new routers as well as determine when a router goes down.	Networking
CSISGWP	CSISGWP	Port 348/tcp and 348/udp	Networking
CSNETNS	CSNET-NS	CSNET Mailbox Nameserver	Networking
CVHOSTD	CVHOSTD	Port 442/tcp and 442/udp	Networking
DASP	DASP	This protocol is designed to provide an unordered, reliable, secure session for full-duplex datagram exchange that can be implemented for low power wireless networks and low cost devices.	Networking
DATEXASN	DATEX-ASN	An application profile specification and uses protocols to address the Application Layer (Layer 7 of the OSI Reference Model), the Presentation Layer (Layer 6 of the OSI Reference Model) and defines the Session Layer (Layer 5 of the OSI Reference Model) as null.	Networking
DCAP	DCAP	An application layer protocol used between workstations and routers to transport SNA/NetBIOS traffic over TCP sessions.	Networking
DCCP	DCCP	DCCP (Datagram Congestion Control Protocol) is a transport protocol used for congestion control. Applications include Internet telephony and video/audio streaming.	Networking
DCERPC	DCE/RPC	Distributed Computing Environment / Remote Procedure Calls, is the remote procedure call system	Networking

		developed for the Distributed Computing Environment (DCE).	
DECAUTH	DEC Auth	DEC Auth	Networking
DECDEBUG	DEC Debug	Decladdebug is a source code debugger targeted at debugging software on the local machine or a remote Digital Unix box.	Networking
DECVMS	DECVMS	Port 441/tcp and 441/udp	Networking
DHCP	DHCP	DHCP (Dynamic Host Configuration Protocol) is an auto configuration protocol used for assigning IP addresses.	Networking
DHCPV6	DHCPv6	DHCP (Dynamic Host Configuration Protocol) for IPv6	Networking
DIRECT	Direct	Direct	Networking
DIXIE	DIXIE	A lightweight Directory Assistance Protocol	Networking
DLS	DLS	DLS (Directory Location Service) provides information on the location(addresses) and protocols needed to access white pages name servers.	Networking
DNACML	DNA-CML	Port 436/tcp and 436/udp	Networking
DNS	DNS	DNS (Domain Name System) provides hostname resolution for finding hosts on a network.	Networking
DNSIX	DNSIX	Department of Defense Intelligence Information System Network Security for Information Exchange (DNSIX) is a collection of security requirements for networking defined by the U.S. Defense Intelligence Agency.	Networking
DPSI	DPSI	Desktop Paging Software, Inc.	Networking
DSFGW	DSFGW	Port 438/tcp and 438/udp	Networking
DSP	DSP	Display Support Protocol	Networking
DSP3270	DSP3270	Display Systems Protocol	Networking
DSSETUP	DSSETUP	Microsoft Active Directory's Directory Services Setup.	Networking
DTAG	DTAG	Deutsche Telekom AG (abbreviated DTAG) is a telecommunications company headquartered in Bonn, Germany. It is the largest telecommunications company in Europe.	Networking
DTK	DTK	Deception Toolkit, A toolkit designed to make it appear to attackers as if the system running DTK has a large number of widely known vulnerabilities	Networking
EGP	EGP	EGP (Exterior Gateway Protocol) is an obsolete routing protocol for the Internet.	Networking
EMBLNDT	EMBLNDT	Port 394/tcp and 394/udp	Networking
EMFIS	EMFIS	EMFIS Service	Networking
EPMAP	Epmmap	Microsoft EPMAP (End Point Mapper), also known as DCE/RPC Locator service, is used to remotely manage services.	Networking
ESRO	ESRO	The Efficient Short Remote Operations service is a Remote Procedure Call service.	Networking

ETH	ETH	Framing protocol that carries data to and from LANs (Local Area Networks)	Networking
ETOS	ETOS	Port 377/378/tcp and 377/378/udp	Networking
FATMEN	Fatmen	Port 347/tcp and 347/udp	Networking
FILEMAKR	FileMaker	A computer software company formed in 1998 from the vestiges of Claris as a wholly owned subsidiary of Apple Inc. FileMaker develops, supports and markets two relational database programs; FileMaker and Bento. Filemaker is available for both Mac OS X and Microsoft Windows operating systems and is aimed towards business use, or home users with high-end needs. Bento, aimed at the home user or basic small business user, is a Mac OS X application with additional versions available for the iPhone and iPad.	Networking
GACP	GACP	Gateway Access Control Protocol	Networking
GENIE	Genie	An old network management/diagnostic protocol,	Networking
GENRAD	GENRAD	Protocol for service type GENRAD-MUX registered with IANA on Port 176 tcp/udp	Networking
GIST	GIST	General Internet Signalling Transport	Networking
GPITNP	Genesis PPP	Genesis Point-to-Point Trans Net	Networking
GSSLIC	Gss License	Gss X License Verification	Networking
HASSLE	Hassle	HASSLE is a networking application that allows to execute remote jobs that have a transfer component built in. HASSLE is flexible as it only transfers the data and the parameters. The execution at the remote site is automatically accomplished via a code generator.	Networking
HDAP	HDAP	Microsoft HDA Protocol	Networking
HEMS	HEMS	HEMS protocol	Networking
HOSTNAME	Hostname	NIC Host Name Server	Networking
HPPERF	HP Perf	The Performance Data Collector for HP OpenVMS (TDC) gathers performance data for OpenVMS systems. By default, TDC periodically collects and stores data in a file. Subsequently, user applications can retrieve and analyze data from the file.	Networking
HTTPMGT	HTTPMGT	Protocol for service type http-mgmt registered with IANA on Port 280 tcp/udp	Networking
HYPERG	Hyper-G	A publishing system with hypertext features more advanced than those available with the Hypertext Transfer Protocol and today's Web browser .	Networking
IASD	IASD	Port 432/tcp and 432/udp	Networking
IBMAPP	IBM APP	Protocol for service type IBM Application registered with IANA on Port 385 tcp/udp	Networking
IBMOPC	IBM OPC	OPC automatically plans, controls, and monitors your production workload to maximize and optimize	Networking

throughput, but lets you intervene manually when required.

ICAD	ICAD	This was a Knowledge-Based Engineering (KBE) system that was based upon the Lisp programming language. ICAD had an open architecture that can utilize all the power and flexibility of the underlying language.	Networking
ICP	ICP	Intelligent Communication Protocol, IANA port 1112/tcp and 1112/udp	Networking
IDENT	Ident	Ident is a protocol that helps identify the user of a particular TCP connection.	Networking
IDP	IDP	IDP (Internet Datagram Protocol) is a close descendant of PUP's internetwork protocol, and roughly corresponds to the Internet Protocol (IP) layer in TCP/IP.	Networking
IGMP	IGMP	IGMP (Internet Group Management Protocol) is a communications protocol used by hosts and adjacent routers on IP networks to establish multicast group memberships.	Networking
IMSP	IMSP	Port 406/tcp and 406/udp	Networking
INBSNESS	InBusiness	TCP Port 244 was used to connect to the administrative functions on the Dayna Communications InBusiness line of small office network equipment.	Networking
IP	IP	IP (Internet Protocol) is the principal communications protocol used for relaying datagrams (packets) across an internetwork using the Internet Protocol Suite.	Networking
IPV6	IPv6	Internet Protocol (IP) Version 6	Networking
IPX	IPX	The IPX/SPX protocol stack is supported by Novell's NetWare network operating system.	Networking
IS99	IS-99	Port 379/380/tcp and 379/380/udp	Networking
ISAKMP	ISAKMP	A protocol defined by RFC 2408 for establishing Security Associations (SA) and cryptographic keys in an Internet environment. ISAKMP only provides a framework for authentication and key exchange and is designed to be key exchange independent	Networking
ISIGL	ISI Graphics	ISI Graphics Language	Networking
ISOIP	ISOIP	ISO Internetworking Protocol	Networking
ISOTSAP	ISO-TSAP	ISO-TSAP	Networking
JARGON	JARGON	Jargon protocol	Networking
JAVARMI	Java RMI	A Java application programming interface that performs the object-oriented equivalent of remote procedure calls (RPC).	Networking
KBLOCK	Kblock	K-Block protects unattended logged-in terminals from unauthorized access in OpenVMS environments.	Networking

KERBEROS	Kerberos	Kerberos is a network authentication protocol designed to provide strong authentication for client/server applications by using secret-key cryptography.	Networking
KIS	KIS	Protocol for service type KIS Protocol registered with IANA on Port 186 tcp/udp	Networking
KNETCMP	KNETCMP	KNET/VM Command/Message Protocol	Networking
KRYPTLAN	Kryptolan	Port 398/tcp and 398/udp	Networking
LAMAINT	LA-Maint	IMP Logical Address maintenance	Networking
LEGENT	Legent	Protocols for service type legent-1 (Legent Corporation) registered on IANA on Port 373 tcp/udp and service type legent-2 (Legent Corporation) registered on IANA Port 374 tcp/udp	Networking
LINK	LINK	Protocol for service type LINK registered with IANA on Port 245 tcp/udp	Networking
LLMNR	LLMNR	LLMNR (Link-local Multicast Name Resolution) is used by Windows for local name resolution.	Networking
LOCUSCON	Locus Conn	Protocol for service type Locus PC-Interface Conn Server registered with IANA on Port 127 tcp/udp	Networking
LOCUSMAP	Locus Map	Protocol for service type Locus PC-Interface Net Map Service registered with IANA on Port 125 tcp/udp	Networking
LSARPC	LSARPC	Microsoft Active Directory Local Security Authority Subsystem Service.	Networking
MANET	MANET	Mobile Ad-hoc Networks Protocol.	Networking
MASQDIAL	Masqdiabler	The masqdiabler system allows authorized LAN users to manipulate the network interface, usually a modem, that gives Internet access on a Linux box without having to use Telnet.	Networking
MATIP	MATIP	MATIP support allows the z/TPF system to receive and transmit airline reservation, ticketing, and messaging traffic over a Transmission Control Protocol/Internet Protocol (TCP/IP) network.	Networking
MDNS	MDNS	MDNS (Multicast DNS)	Networking
META5	Meta5	A business intelligence tool that allows users to visually create reports that can access multiple corporate data source. Registered with IANA on Port 393 tpc/udp	Networking
META-GRAM	Metagram	Protocol for service type Metagram Relay registered with IANA on Port 99 tcp/udp	Networking
MFCOBOL	MF Cobol	Micro Focus Cobol Directory Service	Networking
MFTP	MFTP	Designed for the purpose of file sharing. It is still under development, and therefore may acquire more features or other improvements in addition to those discussed in this article. This is the communication protocol used by such clients as eMule and eDonkey	Networking

		and, in its extended implementation, by the Overnet network.	
MGNTA-LOG	Magenta Logic	Protocol for service type Magenta Logic registered with IANA on Port 313 tcp/udp	Networking
MITSP	MIT Spooler	Protocol for service type MIT Dover Spooler registered with IANA on Port 91 tcp/udp	Networking
MLDEV	mit-ml-dev	MIT ML Device, port 83/tcp and 83/udp	Networking
MOBILIP	MobileIP	An Internet Engineering Task Force (IETF) standard communications protocol that is designed to allow mobile device users to move from one network to another while maintaining a permanent IP address.	Networking
MPLSMC	MPLS Multicast	MPLS (Multiprotocol Label Switching) multicast traffic	Networking
MPLSUC	MPLS Unicast	MPLS (Multiprotocol Label Switching) unicast traffic	Networking
MPP	MPP	Netix Message Posting Protocol is a network protocol that is used for posting messages from a computer to a mail service host.	Networking
MPTN	MPTN	Port 397/tcp and 397/udp	Networking
MRT-GWARE	MortgageWare	A product developed by Interlinq Software Corp that automates all components of the loan originating process.	Networking
MSG	MSG	Port 29/tcp and 29/udp; Port 31/tcp and 31/udp	Networking
MULTPLEX	Multiplex	Network Innovations Multiplex	Networking
MUMPS	MUMPS	Plus Five's MUMPS	Networking
NAMP	NAMP	Neighbor Aware Multicast Routing Protocol	Networking
NCED	NCED	Port 404/tcp and 404/udp	Networking
NCLD	NCLD	Port 405/tcp and 405/udp	Networking
NDSAUTH	NDS Auth	A software module from Symantec Corporation	Networking
NETBIOS	NetBIOS	NetBIOS (Network Basic Input/Output System).	Networking
NETINFO	Netinfo	Port 1033/tcp and 1033/udp	Networking
NETLOGON	Netlogon	The Microsoft Net Logon service verifies logon requests, and it registers, authenticates, and locates domain controllers.	Networking
NETSC	NETSC	Protocols for service type netsc-prod registered with IANA on Port 154 tcp/udp and service type netsc-dev registered with IANA on Port 155 tcp/udp	Networking
NETSCOUT	NetScout	Port 395/tcp and 395/udp	Networking
NETWARE	Netware	A network operating system developed by Novell, Inc. It initially used cooperative multitasking to run various services on a personal computer, with network protocols based on the archetypal Xerox Network Systems stack.	Networking
NIP	NIP	Port 376/tcp and 376/udp	Networking
NNSP	NNSP	An Internet application protocol used for transporting Usenet news articles (netnews) between news servers and for reading and posting articles by end user client applications.	Networking

NPP	NPP	Network Printing enables users in locations geographically separate from each other and from their print devices to produce documents for themselves and others.	Networking
NSIIOPS	NSIIOPS	IIO Name Service	Networking
NSRMP	NSRMP	Port 359/tcp and 359/udp	Networking
NSS	NSS	NSS Routing	Networking
NSSTP	NSSTP	Nebula Secure Segment Transfer Protocol, IANA port 1036/tcp and 1036/udp	Networking
NTP	NTP	NTP (Network Time Protocol) is used for synchronizing the clocks of computer systems over a network.	Networking
NTRSTIME	EntrustTime	EntrustTime protocol	Networking
NXEDIT	NXEdit	Protocol for service type NXEdit registered with IANA on Port 126 tcp/udp	Networking
NXTSTEP	NXTSTEP	NextStep Window Server	Networking
OCBINDER	OCBinder	OCBinder	Networking
OCS	OCS	Microsoft Office Communications Server 2007 R2 helps you deliver streamlined communications to your users, so everyone in your organization can communicate with the right person, right now, from the applications they use most.	Networking
OCSERVER	OCServer	OCServer	Networking
ODMR	ODMR	An SMTP extension standardized in RFC 2645 that allows e-mail to be relayed after the sender has been authenticated. It uses the extended SMTP command ATRN It is similar to the ETRN command but works with dynamically assigned IP addresses.	Networking
ONMUX	Onmux	Protocol for service type Onmux registered with IANA on Port 417 tcp/udp	Networking
OPENPORT	Openport	Protocol for service type Openport registered with IANA on Port 260 tcp/udp	Networking
OSUNMS	OSUNMS	OSU Network Monitoring System	Networking
PAWSERV	PAWSERV	Allows you to analyze transaction performance and behavioral problems by providing a platform for investigating logs and other historical data	Networking
PDAP	PDAP	Port 344/tcp and 344/udp	Networking
PIM	PIM	PIM (Protocol Independent Multicast) is a family of multicast routing protocols for Internet Protocol (IP) networks that provide one-to-many and many-to-many distribution of data over a LAN, WAN or the Internet.	Networking
PIP	PIP	PIP	Networking
PKIXTS	PKIX Timestamp	The PKIX TS specifies the format of packets, along with some possible transport protocols and some verifications to be done by the server and the client.	Networking
PPPDISC	PPP Discovery	PPPoE (Point-to-point Protocol over Ethernet) discovery messages	Networking

PPPSESS	PPP Session	PPPoE (Point-to-point Protocol over Ethernet) session messages	Networking
PRINTER	Printer	A standard network protocol for remote printing as well as for managing print jobs, media size, resolution, and so forth. Like all IP-based protocols, IPP can run locally or over the Internet to printers hundreds or thousands of miles away. Unlike other printing protocols, IPP also supports access control, authentication, and encryption, making it a much more capable and secure printing solution than older ones.	Networking
PRINTSRV	PRINTSRV	Network PostScript	Networking
PROFILE	PROFILE	PROFILE Naming System	Networking
PROSPERO	PROSPERO	Prospero Directory Service is a name server based on the virtual system model.	Networking
PRSNLINK	PersonalLink	Personal Link	Networking
PTP	PTP	A high-precision time protocol for synchronization used in measurement and control systems residing on a local area network. Accuracy in the sub-microsecond range may be achieved with low-cost implementations.	Networking
PUP	PUP	One of the two earliest internetwork protocol suites. The entire suite provided routing and packet delivery, as well as higher level functions such as a reliable byte stream, along with numerous applications.	Networking
PWDGEN	PWDGEN	Password Generator Protocol, rfc 972.	Networking
QBIK	Qbik	Qbik has developed sophisticated & user friendly software specialising in Internet connectivity and security. Our products allow users to manage their Internet connections (WinGate), connect remote offices together (WinGate VPN), and combat network security issues (NetPatrol).	Networking
RADIUS	Radius	Provides centralized Authentication, Authorization, and Accounting (AAA) management for computers to connect and use a network service.	Networking
RAP	RAP	RAP (Route Access Protocol) is a general protocol for distributing routing information at all levels of the Internet.	Networking
RARP	RARP	An obsolete computer networking protocol used by a host computer to request its Internet Protocol (IPv4) address from an administrative host, when it has available its Link Layer or hardware address, such as a MAC address.	Networking
RESCAP	ResCap	ResCap Resolution Protocol	Networking
RIP	RIP	RIP (Routing Information Protocol) is a dynamic routing protocol.	Networking

RLP	RLP	RLP (Resource Location Protocol) is used to help find network services.	Networking
RMT	RMT	Port 411/tcp and 411/udp	Networking
RPC2PMAP	RPC2PMAP	An ONC RPC service that runs on network nodes that provide other ONC RPC services.	Networking
RRP	RRP	Port 648/tcp and 648/udp	Networking
RSVD	RSVD	RSVD	Networking
RSVP	RSVP	RSVP (Resource Reservation Protocol) is a control protocol designed to reserve resources across a network.	Networking
RSYNC	Rsync	A software application for Unix systems which synchronizes files and directories from one location to another while minimizing data transfer using delta encoding when appropriate. An important feature of rsync not found in most similar programs/protocols is that the mirroring takes place with only one transmission in each direction. rsync can copy or display directory contents and copy files, optionally using compression and recursion.	Networking
SAMR	SAMR	Microsoft Active Directory Security Account Manager	Networking
SCCM	SCCM	System Center Configuration Manager (CM07 or SCCM or ConfigMgr or Configuration Manager), formerly Systems Management Server (SMS), is a systems management software product by Microsoft for managing large groups of Windows-based computer systems. Configuration Manager provides remote control, patch management, software distribution, operating system deployment, network access protection, and hardware and software inventory.	Networking
SCOI2DLG	SCOI2DLG	Port 360/tcp and 360/udp	Networking
SCSIST	SCSI-ST	SCSI on ST is set of standards for physically connecting and transferring data between computers and peripheral devices.	Networking
SCTP	SCTP	SCTP (Stream Control Transmission Protocol) is a Transport Layer protocol, serving in a similar role to the popular protocols TCP and UDP. It provides some of the same service features of both: it is message-oriented like UDP and ensures reliable, in-sequence transport of messages with congestion control like TCP.	Networking
SCURSGHT	SecurSight	An architecture that combines authentication, authorization, and secure communications. The primary goal of this architecture is to secure access to	Networking

		network resources, while providing a smooth migration path from legacy authentication and authorization methods to a public-key infrastructure.	
SEMANTIX	Semantix	Port 361/tcp and 361/udp	Networking
SEND	SEND	Secure Neighbor Discovery Protocol	Networking
SET	SET	SET (Secure Electronic Transaction) was a standard protocol for securing credit card transactions over insecure networks.	Networking
SGCP	SGCP	A communications protocol used within a Voice over Internet Protocol (VoIP) system. It has been superseded by MGCP, an implementation of the Media Gateway Control Protocol architecture.	Networking
SHRNKRAP	Shrinkwrap	Port 358/tcp and 358/udp	Networking
SLOW	SLOW	Slow Protocols dissector which implements support of LACP (Link Aggregation Control Protocol) and OAM	Networking
SLVRPLTR	Silverplatter	SilverPlatter Information, Inc. was one of the first companies to produce commercial reference databases on CD-ROMs.	Networking
SMAKYNET	SMAKYNET	SMAKYNET Protocol	Networking
SMARTSDP	Smart SDP	Port 426/tcp and 426/udp	Networking
SMPTE	SMPTE	Port 420/tcp and 420/udp	Networking
SMSP	SMSP	Port 413/tcp and 413/udp	Networking
SNET	SNET	Sirius Systems	Networking
SNPP	SNPP	A protocol that defines a method by which a pager can receive a message over the Internet. It is supported by most major paging providers, and serves as an alternative to the paging modems used by many telecommunications services.	Networking
SOFTPC	SoftPC	Insignia Solutions	Networking
SRC	SRC	IBM System Resource Controller facilitates the management and control of complex subsystems. The SRC is a subsystem controller.	Networking
SRMP	SRMP	Spider Remote Monitoring Protocol	Networking
SRSEND	SRS Send	Port 362/tcp and 362/udp	Networking
SSDP	SSDP	SSDP (Simple Service Discovery Protocol) is used for discovery of Universal Plug and Play services.	Networking
STUN	STUN	STUN (Session Traversal Utilities for NAT) is used in NAT traversal for applications with real-time voice, video, messaging, and other interactive communications.	Networking
SUNRPC	Sun RPC	Sun RPC is a widely deployed remote procedure call system.	Networking
SURMEAS	SURMEAS	Survey Measurement	Networking
SVRLOC	SVRLOC	A service discovery protocol that allows computers and other devices to find services in a local area net-	Networking

		work without prior configuration. SLP has been designed to scale from small, unmanaged networks to large enterprise networks. It has been defined in RFC 2608 and RFC 3224 as Standards Track document.	
SYBASE	Sybase SQL	A comprehensive suite of solutions that provides data management, synchronization and data exchange technologies that enable the rapid development and deployment of database-powered applications in remote and mobile environments.	Networking
SYNOTICS	SynOptics	SynOptics Communications is credited with having invented the concept of the modular Ethernet hub and high-speed Ethernet networking over copper twisted-pair and fiber optic cables.	Networking
TACACS	TACACS	A remote authentication protocol that is used to communicate with an authentication server commonly used in UNIX networks. TACACS allows a remote access server to communicate with an authentication server in order to determine if the user has access to the network.	Networking
TACNEWS	TAC News	Protocol for service type TAC News registered with IANA on Port 98 tcp/udp	Networking
TCP	TCP	TCP (Transmission Control Protocol) is a core protocol of the Internet Protocol Suite that allows for reliable communication between hosts.	Networking
TCPMUX	TCPMUX	TCP Port Service Multiplexer is a multiplexing service that may be accessed with a network protocol to contact any one of a number of available TCP services of a host on a single, well-known port number.	Networking
TCXFLASH	TCX Flash	Wyse TCX flash redirect traffic	Networking
TCXMEDIA	TCX Multimedia	Wyse TCX multimedia traffic	Networking
TCXSOUND	TCX Sound	Wyse TCX sound traffic	Networking
TCXUSB	TCX USB	Wyse TCX USB virtualizer traffic	Networking
TEXAR	Texar	Texar Corporation, recently acquired by Avalon Works Corp., is a security infrastructure software company that offers policy-based authorization solutions to securely control what people can do with highly valuable or critical data across the extended enterprise.	Networking
TIMBUKTU	Timbuktu	A remote control software product developed by Motorola. Remote control software allows a user to control another computer across the local network or the Internet, viewing its screen and using its keyboard and mouse as if he or she were sitting in front of it. Timbuktu is compatible with computers running both Mac OS X and Windows.	Networking

TIME	Time	A network protocol in the Internet Protocol Suite defined in 1983 in RFC 868. Its purpose is to provide a site-independent, machine readable date and time.	Networking
TOBITDAV	Tobit	Tobit David Service Layer is a client/server software solution for NetWare or Windows NT Server that allows users on a LAN to send and receive faxes directly from their network-connected PC.	Networking
UAAC	UAAC	UAAC Protocol	Networking
UARPS	UARPS	Unisys ARPs	Networking
UDLDM	Unidata LDM	A collection of cooperating programs that select, capture, manage, and distribute arbitrary data products. The system is designed for event-driven data distribution, and is currently used in the Unidata Internet Data Distribution (IDD) project. The LDM system includes network client and server programs and their shared protocols.	Networking
UDP	UDP	UDP (User Datagram Protocol) is a core protocol of the Internet Protocol Suite that allows for low overhead, un-reliable communication between hosts, often for real-time data transfer.	Networking
UIS	UIS	Port 390/tcp and 390/udp	Networking
ULSTPROC	ULSTPROC	ListProcessor, ListProc for short, is a powerful mailing list agent that keeps track of thousands of people subscribed to any number of mailing lists.	Networking
UNIFY	UNIFY	Protocol for service type Unify registered with IANA on Port 181 tcp/udp	Networking
UPS	UPS	An electrical apparatus that provides emergency power to a load when the input power source, typically the utility mains, fails. A UPS differs from an auxiliary or emergency power system or standby generator in that it will provide instantaneous or near-instantaneous protection from input power interruptions by means of one or more attached batteries and associated electronic circuitry for low power users, and or by means of diesel generators and flywheels for high power users.	Networking
UTMP	UTMP	A file on Unix-like systems that keeps track of all logins and logouts to the system. It was never a part of any official Unix standard, such as Single UNIX Specification, and was obsoleted with introduction of utmpx and corresponding APIs	Networking
VETTCP	vettcp	Protocol for service type vettcp registered with IANA on Port 78 tcp/udp	Networking
VMNET	VMNET	Protocol for service type VMNET registered with IANA on Port 175 tcp/udp	Networking

VMPWSCS	VMPWSCS	Protocol for service type VM PWSCS registered with IANA on Port 214 tcp/udp	Networking
VSLMP	VSLMP	Protocol for service type vslmp registered with IANA on Port 312 tcp/udp	Networking
WCCP	WCCP	A Cisco-developed content-routing protocol that provides a mechanism to redirect traffic flows in real-time to web-caches.	Networking
WEBFLTR	WebFilter	WebFilter Remote Monitor, IANA port 1046/tcp and 1046/udp	Networking
WHOIS	Whois	A query and response protocol that is widely used for querying databases that store the registered users or assignees of an Internet resource, such as a domain name, an IP address block, or an autonomous system, but is also used for a wider range of other information.	Networking
WINS	WINS	Microsoft's implementation of NetBIOS Name Service (NBNS), a name server and service for NetBIOS computer names.	Networking
WYSE_TCX	Wyse TCX	Wyse TCX Solutions feature a Collaborative Processing Architecture (CPA) which divides the workload between the server and the client to reduce the need for large servers.	Networking
X.25	X.25	An ITU-T standard protocol suite for packet switched wide area network (WAN) communication.	Networking
XBONE	Xbone	X-Bone Control is a system for the automated deployment, management, coordination, and monitoring of IP overlay networks.	Networking
XDMCP	XDMCP	X Display Manager Control Protocol	Networking
XFER	Xfer	The Xfer Utility is used for DNS zone transfers.	Networking
XNS	XNS	Xerox Network Services (XNS)	Networking
XNSAUTH	XNS Authentication	XNS (Xerox Networking Services) Authentication	Networking
XNSCH	XNS Clearinghouse	XNS (Xerox Networking Services) Clearinghouse Protocol	Networking
XNSTIME	XNS Time	XNS Time Protocol	Networking
XYPLEX	Xyplex	Xyplex	Networking
Z3950	Z3950	ANSI Z39.50 is a client-server protocol for searching and retrieving information from remote computer databases.	Networking
ZEBRA	Zebra	A high-performance, general-purpose structured text indexing and retrieval engine. It reads structured records in a variety of input formats (e.g., email, XML, MARC) and allows access to them through exact boolean search expressions and relevance-ranked free-text queries.	Networking

AD_FRS	AD File Replication Service	Microsoft Active Directory File Replication Services used to replicate files and changes between domain controllers	Networking
AVCTPRXY	Avocent	Avocent Proxy Protocol	Proxy
GLYPEPRX	GlypeProxy	Glype Proxy is a free web-based proxy script written in PHP.	Proxy
HOPSTER	Hopster	An application that tunnels other applications in order to bypass firewalls.	Proxy
PRIVAX	Privax	Privax is a web anonymity network, aimed at providing people the freedom to surf anonymously online. Privax offers free web proxy services (The Privax Network), which allow anyone in the world to surf anonymously and surf under our IP address	Proxy
SOCKS	SOCKS	An Internet protocol that facilitates the routing of network packets between client-server applications via a proxy server.	Proxy
SURESOME	SureSome	Web traffic encrypted and tunneled through Suresome web proxy	Proxy
SUROGAFR	Surrogafier	Web traffic tunneled through Surrogafier web proxy.	Proxy
TOR	Tor	Tor (The Onion Router) is a free software implementation of second-generation onion routing, a system which claims to enable its users to communicate more anonymously on the Internet.	Proxy
CTRXCGP	Citrix CGP	Citrix Common Gateway Protocol.	Remote Access
CTRXICA	Citrix ICA	ICA (Independent Computing Architecture) is a proprietary protocol for an application server system, designed by Citrix Systems.	Remote Access
CTRXIMA	Citrix IMA	The Citrix IMA (Independent Management Architecture) protocol is used for server-to-server communication in performing functions such as licensing and server load updates, all of which occur behind the scenes.	Remote Access
CTRXLIC	Citrix Licensing	Citrix Licensing traffic	Remote Access
CTRXTMP	Citrix RTMP	Citrix streaming	Remote Access
CTRSLGW	Citrix SLG	Citrix SLG (Storage Link Gateway) enables automated discovery and one-click access to native storage services using any of the leading storage architectures and protocols, including DAS, NAS, SAN, iSCSI, and Fibre Channel.	Remote Access
ERPC	ERPC	Encore Expedited Remote Procedure Call	Remote Access
HPVMM	HP VMM	HP Virtual Machine Manager (VMM)	Remote Access

KTELNET	Ktelnet	Telnet with Kerberos authentication and encryption.	Remote Access
KVM	KVM	KVM (Keyboard/Video/Mouse) over IP Management Service	Remote Access
KWDB	KWDB	Remote Kernel debugger communication	Remote Access
LOGMEIN	LogMein	Remote access and PC desktop control.	Remote Access
PCOIP	PCoIP	A remote access protocol that compresses, encrypts, and encodes a computing experiences at a data center and transmits it across any standard IP network.	Remote Access
RDP	RDP	RDP (Remote Desktop Protocol) provides users with a graphical interface to another computer.	Remote Access
RJE	RJE	The process of sending jobs to Mainframe computers from remote workstations, and by extension the process of receiving output from mainframe jobs at a remote workstation.	Remote Access
RJS	Remote Job Service	Port 71-74/tcp and 71-74/udp	Remote Access
RLOGIN	rlogin	Remote login is a software utility for Unix-like computer operating systems that allows users to log in on another host via a network.	Remote Access
RSH	RSH	Berkeley Remote Shell Service allows a user to access a remote host and execute a single command upon it without requiring the login and logout steps.	Remote Access
RTELNET	Remote Telnet	Remote Telnet	Remote Access
SCCMCTRL	SCCM Remote Control	Feature of SCCM to control a client remotely	Remote Access
SNAGAS	SNA Gateway	SNA Gateway Access Server enables users to exchange information and share resources between configured OpenVMS systems in DECnet and/or TCP/IP environments in a bidirectional manner.	Remote Access
SSH	SSH	SSH (Secure Shell) is a network protocol that allows data to be exchanged using a secure channel between two networked devices.	Remote Access
SUPDUP	SUPDUP	The SUPDUP protocol provides for login to a remote system over a network with terminal-independent output.	Remote Access
SUTLNT	Su-Mit Telnet	Su-Mit Telnet Gateway	Remote Access
TEAMVIEW	TeamViewer	TeamViewer is used to remotely control any computer on the Internet. TeamViewer needs to be running on both machines in order to connect. While the main focus is remote control, desktop sharing,	Remote Access

file transfer and presentation features are also included.

TELNET	Telnet	A network protocol used on the Internet or local area networks to provide a bidirectional interactive text-oriented communications facility using a virtual terminal connection.	Remote Access
WANSCALR	Citrix WANScaler	Citrix WAN optimization traffic.	Remote Access
BEBO	Bebo	A social networking website where users can post blogs, photographs, music, videos and questionnaires to which other users may answer.	Social Networking
CLASSMTE	Classmates	Web-based social network based on high school yearbooks	Social Networking
FACEBOOK	Facebook	Facebook is a social networking service.	Social Networking
FB_EVENT	Facebook Event	Creating/editing Facebook events	Social Networking
FB_MSGS	Facebook Messages	Facebook E-mail and Instant Messaging	Social Networking
FB_POST	Facebook Post	Interactions with Facebook walls	Social Networking
FB_SRCH	Facebook Search	Searching within Facebook's website	Social Networking
FB_VDCHT	Facebook Video Chat	Facebook Video Chat	Social Networking
FB_VIDEO	Facebook Video	Facebook streaming video and video upload	Social Networking
FBOOKAPP	Facebook Apps	Add ons developed for Facebook, generally games, puzzles, gifts, classifieds etc.	Social Networking
FLIXSTER	Flixster	A social movie site allowing users to share movie ratings, discover new movies and meet others with similar movie taste. The site has expanded to include a Facebook app, a MySpace app, and an app for Bebo and Orkut	Social Networking
FRNDFEED	FriendFeed	FriendFeed is a real-time feed aggregator from social media sites.	Social Networking
FRNDSTER	Friendster	Friendster is a social networking service.	Social Networking
GOOGPLUS	Google +	A social networking service provided by Google Inc. that incorporates existing and new Google services	Social Networking
LINKEDIN	LinkedIn	LinkedIn is a business-oriented social networking site.	Social Networking
MULTIPLY	multiply.com	A social shopping site that connects merchants with shoppers, offering both products and services. It provides social media tools that allow shops to spread the word through their network and help	Social Networking

shoppers share their opinions and experiences with each other.

MYSFACE	MySpace	MySpace is a social networking service.	Social Networking
ORKUT	Orkut	Google social networking application	Social Networking
PINTERST	Pinterest	Web traffic encrypted and tunneled through Suresome web proxy	Social Networking
PLAXO	Plaxo	An online address book and social networking service that provides automatic updating of contact information.	Social Networking
REDDIT	Reddit	Social news website - Popular user-generated news service	Social Networking
SRCFORGE	Sourceforge	A web-based source code repository. A centralized location for software developers to control and manage open source software development.	Social Networking
TWITPIC	TwitPic	Twitter picture posting and delivery service	Social Networking
TWITTER	Twitter	Twitter is a social networking and microblogging service.	Social Networking
YELP	Yelp	Social networking, user review, and local search service	Social Networking
FREEETV	freeetv	General browsing and streaming media from TV website freeetv.com	Social Networking
HIS	hi5	General browsing and interaction with social gaming website hi5.com	Social Networking
TAGGED	Tagged	General browsing, game play, interactions, and file transfers on social networking site tagged.com	Social Networking
DALYMOTN	Dailymotion	A video sharing service website.	Streaming Media
FACETIME	FaceTime	Video conferencing between supported Apple mobile devices and Macintosh computers	Streaming Media
GOOGVIDO	Google Video	A free video sharing website and also a video search engine from Google Inc.	Streaming Media
GRVSHRK	Grooveshark	Online music search engine and streaming service	Streaming Media
H225	H.225	In the family of H.323 VoIP protocols	Streaming Media
H245	H.245	H.245 is a control channel protocol used with[in] e.g. H.323 and H.324 communication sessions.	Streaming Media
H248	H.248	Megaco (officially H.248) is an implementation of the Media Gateway Control Protocol architecture for controlling VoIP gateways.	Streaming Media
H323	H.323	H.323 VoIP call signalling and control	Streaming Media
HULU	Hulu	Hulu online video streaming.	Streaming Media

ITUNES	iTunes	Apple's media player and online store.	Streaming Media
IVPIP	mck-ivpip	MCK, now Citel's VoIP extender ivpip protocol.	Streaming Media
LASTFM	Last.fm	A social networking music streaming site.	Streaming Media
MAGICJAK	MagicJack	Magic Jack is a USB device that allows any phone to make free calls within the US and Canada.	Streaming Media
METACAFE	Metacafe	A community based video sharing web site, that specializes in short-form original entertainment, where users upload, view and share video clips.	Streaming Media
MOVIE2K	movie2k	A websites that allows visitors to stream films without requiring registration. Intended primarily for German and English speaking visitors.	Streaming Media
NETFLX	Netflix site	Subscription based video streaming service	Streaming Media
NETFLXVD	Netflix video stream	Video streams from Netflix service	Streaming Media
PANDORA	Pandora	General Pandora traffic	Streaming Media
PNDRAUDI	Pandora Audio	Pandora internet radio audio streams	Streaming Media
PT_VIDEO	Paltalk Video	Paltalk instant messaging video chat traffic	Streaming Media
PT_VOICE	Paltalk Voice	Paltalk instant messaging audio chat traffic	Streaming Media
QUICKTIM	Quicktime	An extensible proprietary multimedia framework developed by Apple Inc., capable of handling various formats of digital video, picture, sound, panoramic images, and interactivity. It is available for Mac OS classic (System 7 onwards), Mac OS X and Microsoft Windows operating systems.	Streaming Media
RTCP	RTCP	RTCP (Real-Time Transport Control Protocol) is a sister protocol of the Real-time Transport Protocol (RTP). RTCP provides out-of-band control information for an RTP flow.	Streaming Media
RTMP	RTMP	RTMP (Real Time Messaging Protocol) is commonly used for streaming Flash Video.	Streaming Media
RTP	RTP	RTP (Real-Time Transport Protocol) is primarily used to deliver real-time audio and video.	Streaming Media
RTSP	RTSP	RTSP (Real Time Streaming Protocol) is used for establishing and controlling media sessions between end points.	Streaming Media
RTSPS	RTSPS	A secure network control protocol designed for use in entertainment and communications systems to control streaming media servers. The protocol is	Streaming Media

		used for establishing and controlling media sessions between end points.	
SHOCK-WAV	Shockwave	A multimedia platform used to add animation and interactivity to web pages.	Streaming Media
SHOUTCAS	SHOUTcast	SHOUTcast is a cross-platform proprietary protocol for streaming media over the Internet.	Streaming Media
SIP	SIP	SIP (Session Initiation Protocol) is a common control protocol for setting up and controlling voice and video calls.	Streaming Media
TMOBILE	Tmobile	Tmobile VoIP services.	Streaming Media
USTREAM	UStream	A live interactive broadcast platform that enables anyone with an Internet connection and a camera to create webcasts.	Streaming Media
VIDEOBB	videobb	A video sharing web sites	Streaming Media
VONAGE	Vonage	Vonage is a VoIP company that provides telephone service via a broadband connection.	Streaming Media
WINMEDIA	Windows Media	Windows multimedia traffic	Streaming Media
YOUTUBE	YouTube	A video-sharing website on which users can upload, share, and view videos.	Streaming Media
LIVE365	Live365	General browsing and streaming media from internet radio network Live365.com	Streaming Media
PANDRATV	Pandora.tv	General browsing, file transfer, and streaming media on video sharing website Pandora.tv	Streaming Media
AH	AH	AH (Authentication Header) is a member of the IPsec protocol suite, guaranteeing connectionless integrity and data origin authentication of IP packets.	VPN & Tunneling
BEETPH	BEETPH	BEETPH (Bound End-to-End Tunnel) is a new mode for IPsec ESP. The new mode augments the existing ESP tunnel and transport modes. For end-to-end tunnels, the new mode provides limited tunnel mode semantics without the regular tunnel mode overhead. The mode is intended to support new uses of ESP, including mobility and multi-address multi-homing.	VPN & Tunneling
DYNGATE	DynGate	A firewall router that allows TeamViewer to route a TCP/IP connection over an http tunnel	VPN & Tunneling
ESP	ESP	ESP (Encapsulating Security Payload) is a member of the Ipsec protocol suite, providing origin authenticity, integrity, and confidentiality protection of packets.	VPN & Tunneling
GRE	GRE	GRE (Generic Route Encapsulation Protocol) is a tunneling protocol developed by Cisco Systems that can encapsulate a wide variety of network layer protocol packet types inside IP tunnels, creating a virtual	VPN & Tunneling

		point-to-point link to various brands of routers at remote points over an Internet Protocol (IP) inter-network.	
HAMACHI	Hamachi	A hosted VPN service that lets you securely extend LAN-like networks to distributed teams.	VPN & Tunneling
IPCOMP	IPComp	IPComp (IP Payload Compression Protocol) is a low level compression protocol for IP datagrams defined in RFC 3173.	VPN & Tunneling
IPIP	IPIP	An IP tunneling protocol that encapsulates one IP packet in another IP packet.	VPN & Tunneling
IPSEC	IPsec	IPsec (Internet Protocol Security) is an end-to-end security scheme commonly used for VPNs.	VPN & Tunneling
L2TP	L2TP	A tunneling protocol used to support virtual private networks (VPNs). It does not provide any encryption or confidentiality by itself; it relies on an encryption protocol that it passes within the tunnel to provide privacy.	VPN & Tunneling
OPENVPN	OpenVPN	A free and open source software application that implements virtual private network (VPN) techniques for creating secure point-to-point or site-to-site connections.	VPN & Tunneling
PPTP	PPTP	A method for implementing virtual private networks. PPTP uses a control channel over TCP and a GRE tunnel operating to encapsulate PPP packets.	VPN & Tunneling
RSVPTUNN	RSVP Tunnel	A new RSVP-based tunnel protocol establishes packet tunnels between a tunnel source point (TSP) and a tunnel destination point (TDP) such that guaranteed services to aggregated packet flows is provided.	VPN & Tunneling
12306CN	12306.cn	12306.cn is the only China Railway customer service center	Web Services
39NET	39.net	39.net is China's leading health web portal	Web Services
ABOUT	about.com	English source for original information and advice	Web Services
ADFLY	Adf.ly	General site browsing and usage of URL shortening service from Adf.ly	Web Services
ADMIN5	Admin5	General browsing of Chinese webmaster information site Admin5.	Web Services
ADOBE	Adobe	Adobe and Adobe Updates	Web Services
ADRIVE	Adrive.com	An online cloud storage service	Web Services
AIZHAN	Aizhan.com	Aizhan.com is a Chinese website that assists webmasters	Web Services
AMAZON	Amazon	Amazon online retail service	Web Services
ANSWERS	Answers.com	Internet-based knowledge exchange	Web Services
ATOM	Atom	Atom is a web content syndication system similar to RSS.	Web Services

AUDIO	Http Audio	Audio files/streams delivered over HTTP that were not detected as being part of a more specific application.	Web Services
BARNSNBL	Barnes&Noble	Barnes & Noble offers books, ebooks, DVDs, music, toys, and games	Web Services
BING	Bing	Bing is Microsoft's Internet search engine.	Web Services
BINGBOT	Bingbot	Microsoft web-crawler for the Bing search engine	Web Services
BLOGGER	Blogger	A blog publishing service owned by Google, formerly known as BlogSpot.	Web Services
BLOOMBR G	Bloomberg	General browsing of business news and financial information site Bloomberg	Web Services
BRGHTTLK	Brighttalk	Online webinar and video provider	Web Services
CNET	CNET	Online forum for technology news, reviews, teaching videos, product pricing, free downloads, and newsletters	Web Services
CNETDWLD	CNET Download	Internet download directory websites launched in 1996 as a part of CNET.	Web Services
CRAIGSLI	Craigslist	Popular online classifieds	Web Services
DELL	Dell	Dell official site	Web Services
DOM- NTOOL	domain- tools.com	Internet domain name intelligence service	Web Services
EBAY	eBay	An online auction and shopping website.	Web Services
ENETCN	enet.com.cn	A web portal for IT people in China	Web Services
ENVATO	Envato	Envato is an Australian based, privately held company that provides tutorial sites that teach people skill sin a variety of creative areas as well as providing a means to sell their digital goods via a family of online marketplaces.	Web Services
FLICKR	Flickr	An image hosting and video hosting website, web services suite, and online community.	Web Services
FOGBUGZ	Fogbugz	FogCreek Software's online project management tool.	Web Services
GOOGANAL	Google Analytics	Google service that tracks and generates details web statistics.	Web Services
GOOGAPIS	Google APIs	Google Application Programming Interfaces that support the development of web applications that leverage Google services.	Web Services
GOOGAPP	Google App Engine	Google App Engine lets you run your web applications using Google's infrastructure.	Web Services
GOOG- CNRD	Google Calendar	A free time-management web application offered by Google.	Web Services
GOOGDESK	Google Desktop	Google's Desktop search and desktop gadget software.	Web Services
GOOG- DOCS	Google Docs	A free, Web-based word processor, spreadsheet, presentation, form, and data storage service offered by Google.	Web Services

GOOGERTH	Google Earth	Google's virtual globe, map and geographical information program.	Web Services
GOOGLBT	Googlebot	Googlebot Web Crawler	Web Services
GOOGLE	Google	Traffic generated by the Google search engine or one of the other many Internet services provided by Google Inc.	Web Services
GOOG-MAPS	Google Maps	Google Maps (formerly Google Local) is a web mapping services application and technology provided by Google.	Web Services
GOOGSAFE	Google Safe Browsing	Google service that protects users from known phishing and malware sites	Web Services
GOOGTRAN	Google Translate	Google translation service.	Web Services
GOONEJP	goo.ne.jp	goo.ne.jp is a Japanese web portal	Web Services
GOPHER	Gopher	A TCP/IP Application layer protocol designed for distributing, searching, and retrieving documents over the Internet.	Web Services
HP	HP Website	HP.com offers company news and information on Hewlett-Packard	Web Services
HTTP	Http	HTTP (HyperText Transfer Protocol) the principal transport protocol for the World Wide Web.	Web Services
IBM	IBM	Website for International Business Machines corporation	Web Services
IMGUR	Imgur	Photo sharing web site	Web Services
IMGVENUE	Image Venue	Free Image Hosting for bloggers, message board users, and eBay sellers.	Web Services
INFOSEEK	InfoSeek	This was a very popular search engine originally operated by the Infoseek Corporation. Infoseek was bought by The Walt Disney Company in 1998, and the technology was merged with that of the Disney-acquired Starwave to form the Go.com network. Since then it has been replaced with Yahoo! search and is no longer in use.	Web Services
LEBNCOIN	Leboncoin	leboncoin.fr created by Spir Communication is a variation of the site Swedish Blocket. This is a site of online sales, allowing the publication of advertisements for sale of any items, they are accessible by everyone.	Web Services
LIVEJRNL	LiveJournal	A virtual community where Internet users can keep a blog, journal or diary.	Web Services
MOZILLA	Mozilla	General browsing of internet-related application development group Mozilla Corporation website. Includes downloads/updates to Mozilla Firefox.	Web Services
MSN	MSN	www.msn.com and related sites.	Web Services

MSONLINE	MS Online	Microsoft's hosted software suite that includes Exchange Online, SharePoint Online, Office Communications Online, Microsoft Forefront, and Microsoft Office Live Meeting.	Web Services
NETEASE	Netease	Netease is a popular Chinese web portal	Web Services
PHOTOBKT	Photobucket	An image hosting, video hosting, slideshow creation and photo sharing website.	Web Services
PICASA	Picasa	Google picasa is an image organizer and image viewer for organizing and editing digital photos, plus an integrated photo-sharing website.	Web Services
RGINBULL	Raging Bull	Raging Bull is a financial message board hosted by Quote.com	Web Services
RSS	RSS	RSS (Really Simple Syndication) web feeds.	Web Services
SALSFRCE	Salesforce	Salesforce is an online CRM & cloud computing service.	Web Services
SLIDESH	SlideShare	A Web 2.0 based slide hosting service. Users can upload files privately or publicly in multiple formats. Slide decks can be viewed on the sites itself, on hand held devices, or embedded on other sites	Web Services
SOKU	Soku.com	Chinese search engine from Youku	Web Services
SSL	SSL	SSL (Secure Sockets Layer) is a cryptographic protocol that provides security over the Internet.	Web Services
STMBLUPN	StumbleUpon	A web browser plugin that allows users to discover and rate webpages, photos, videos and news articles	Web Services
SUR-VMONK	SurveyMonkey	A private American company that enables users to create their own web survey, using free and enhanced paid products and services	Web Services
THEMFRST	Theme Forest	ThemeForest is an Envato Marketplace. At ThemeForest you can buy and sell site templates and themes to skin popular CMS products like WordPress, Drupal and Joomla	Web Services
TUMBLR	Tumblr	A microblogging platform that allows users to post text, images, videos, links, quotes and audio to their tumblelog, a short-form blog.	Web Services
VIDEO	Http Video	Video files/streams delivered over HTTP that were not detected as being part of a more specific application.	Web Services
W3SCHOOL	W3Schools	A website developer's portal, with tutorials and references relating to web development subjects	Web Services
WEBSCOM	Webs.com	Space for individuals, groups, or small businesses to share photos and videos, open a store, and build a member community	Web Services
WEEBLY	Weebly	Online, free, website creator that uses widget-style format, allowing users to create pages with on a few clicks by dragging and dropping different page elements onto a page and filling in the content.	Web Services

WIKIPEDI	Wikipedia	Wikipedia is an online editable encyclopedia.	Web Services
WRDPRESS	Wordpress	An online blogging community.	Web Services
WRETCH	Wretch	General browsing and streaming media from Taiwanese community website	Web Services
XANGA	Xanga	A website that hosts weblogs, photoblogs, and social networking profiles.	Web Services
YAHOO	Yahoo	Yahoo and it's online services.	Web Services
YHOOSLRP	Yahoo Slurp	Yahoo web-crawler that obtains content for Yahoo Search engine	Web Services
ZOHO	Zoho	A Web- based online office suite containing word processing, spreadsheets, presentations, databases, note-taking, wikis, CRM, project management, invoicing and other applications developed by ZOHO Corporation.	Web Services
ACROBAT	Acrobat.com	General browsing, file transfer, and PDF conversion services from Adobe website Acrobat.com	Web Services
BILDDE	Bild.de	General browsing on German tabloid website Bild.de	Web Services
FORBES	Forbes	General browsing of business magazine website Forbes.com	Web Services
IKEA	IKEA	General browsing and merchandise purchasing from online store Ikea.com	Web Services
PCHOME	pchome.net	General browsing on Chinese IT information website pchome.net	Web Services
SCHMEDLY	Schmedley	General browsing and widget interactions from online start page Schmedley.com	Web Services
TECHINLN	TechInline	General browsing, remote control, desktop sharing, and file transfers on remote support site Techniline.com	Web Services
WIKIDOT	wikidot	General browsing, posting, updates, page creation, and file transfers on wiki hosting site wikidot.com	Web Services
CNN	CNN	General browsing and streaming media from US Cable news channel CNN web and mobile sites	Web Services
NEWEGG	newegg.com	General browsing, searching, and shopping on retailer web and mobile site newegg.com	Web Services
QUOTE	Quote.com	General browsing on financial information and trading web site Quote.com	Web Services
CBS	cbs.com	General browsing, interaction, and streaming media from the American television broadcasting website cbs.com	Web Services
CBSINTER	cbsinteractive.com	General browsing of the information and entertainment website cbsinteractive.com	Web Services
2345COM	2345.com	General browsing of navigation portal 2345.com	Web Services
USATODAY	USA Today	General browsing, streaming media from usatoday.com	Web Services

About Elfiq Networks

With today's growing Internet demands, Elfiq Networks enhances network performance and business continuity through innovative link balancing, cloud computing and bandwidth management technologies. Using Elfiq Networks Link Balancers, companies can leverage simultaneous ISPs, mix public and private links for added flexibility, seamless failover, increased throughput and smarter WAN path selection. Every day, local and global organizations of all sizes and verticals rely on Elfiq Networks' Link Balancers and advanced network solutions.

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